

IN THE CLAIMS

Please amend the claims as follows:

1. (Original) A client device comprising:
 - an ad-hoc client to manage connection of said client device to an ad-hoc wireless network;
 - a DHCP client to send a DHCP discover message in response to a command from said ad-hoc client; and
 - a tinyDHCP unit to sense said DHCP discover message and allocate an IP address for the client device in response thereto.
2. (Original) The client device of claim 1, further comprising:
 - a packet driver to provide raw access to a wireless network medium for at least the tinyDHCP unit without using sockets functionality.
3. (Original) The client device of claim 2, wherein:
 - said packet driver is a part of a packet capture library.
4. (Canceled)
5. (Original) The client device of claim 1, wherein:
 - said DHCP client sends said DHCP discover message to a predetermined port that is monitored by said tinyDHCP unit.
6. (Original) The client device of claim 1, wherein:
 - said tinyDHCP unit tests the availability of said IP address.
7. (Original) The client device of claim 6, wherein:
 - said tinyDHCP unit tests the availability of said IP address by sending an ICMP echo request.

8. (Original) The client device of claim 1, wherein:
said tinyDHCP unit sends a DHCP offer that includes the IP address.
9. (Original) The client device of claim 8, wherein:
said tinyDHCP unit sends said DHCP offer to a predetermined port that is monitored by said DHCP client.
10. (Original) The client device of claim 8, wherein:
said DHCP client senses said DHCP offer and sends a DHCP request based thereon, wherein said DHCP request includes said IP address.
11. (Original) The client device of claim 10, wherein:
said DHCP client verifies availability of said IP address before sending said DHCP request.
12. (Original) The client device of claim 10, wherein:
said tinyDHCP unit senses said DHCP request and sends a DHCP acknowledge (ACK) message in response thereto.
13. (Original) The client device of claim 1, wherein:
said tinyDHCP unit is associated with a user interface to allow a user to specify DHCP parameters.
14. (Original) A method for use in connecting a client device to an ad-hoc network, comprising:
sending a DHCP discover message from within the client device;
receiving said DHCP discover message within the client device; and
allocating an IP address to the client device in response to receiving said DHCP discover message, within the client device.

15. (Original) The method of claim 14, wherein:
sending includes sending said DHCP discover message to a predetermined port.
16. (Original) The method of claim 15, wherein:
receiving includes monitoring said predetermined port and sensing said DHCP discover message on said predetermined port.
17. (Original) The method of claim 14, further comprising:
sending a DHCP offer that includes said IP address, after allocating said IP address, from within the client device.
18. (Original) The method of claim 17, further comprising:
testing the availability of said IP address before sending said DHCP offer.
19. (Original) The method of claim 17, wherein:
sending a DHCP offer includes causing a packet driver to send said DHCP offer on a wireless network medium.
20. (Original) The method of claim 19, wherein:
said packet driver sends said DHCP offer on said wireless network medium without the use of sockets functionality.
21. (Original) The method of claim 17, further comprising:
receiving said DHCP offer within the client device; and
sending, after receiving said DHCP offer, a DHCP request that includes said IP address from within the client device.
22. (Original) The method of claim 21, further comprising:

verifying that the IP address within the DHCP offer is available before sending said DHCP request.

23. (Original) The method of claim 21, further comprising:
receiving said DHCP request within the client device; and
sending, after receiving said DHCP request, a DHCP acknowledge (ACK) message from within the client device.
24. (Original) The method of claim 23, further comprising:
receiving said DHCP ACK message within the client device.
25. (Original) The method of claim 14, wherein:
allocating includes using dynamic DHCP allocation.
26. (Previously Presented) An article comprising computer readable storage media having instructions stored thereon that, when executed by a computing platform, result in:
sending a DHCP discover message from within a client device;
receiving said DHCP discover message within the client device; and
allocating an IP address to the client device in response to receiving said DHCP discover message, from within the client device.
27. (Original) The article of claim 26, wherein:
sending includes sending said DHCP discover message to a predetermined port.
28. (Original) The article of claim 27, wherein:
receiving includes monitoring said predetermined port and sensing said DHCP discover message on said predetermined port.
29. (Original) The article of claim 26, further comprising:

sending a DHCP offer that includes said IP address, after allocating said IP address, from within the client device.

30. (Original) A client device comprising:

a wireless network interface card (NIC) to provide an interface to a wireless network medium;

an ad-hoc client to manage connection of said client device to an ad-hoc wireless network;

a DHCP client to send a DHCP discover message in response to a command from said ad-hoc client; and

a tinyDHCP unit to sense said DHCP discover message and allocate an IP address for the client device in response thereto.

31. (Original) The client device of claim 30, wherein:

said wireless NIC is configured in accordance with the IEEE 802.11 wireless networking standard.

32. (Original) The client device of claim 30, further comprising:

a packet driver to provide raw access to said wireless network medium for the tinyDHCP unit without using sockets functionality.

33. (Original) The client device of claim 32, wherein:

said packet driver is part of a packet capture library.

34. (Canceled)